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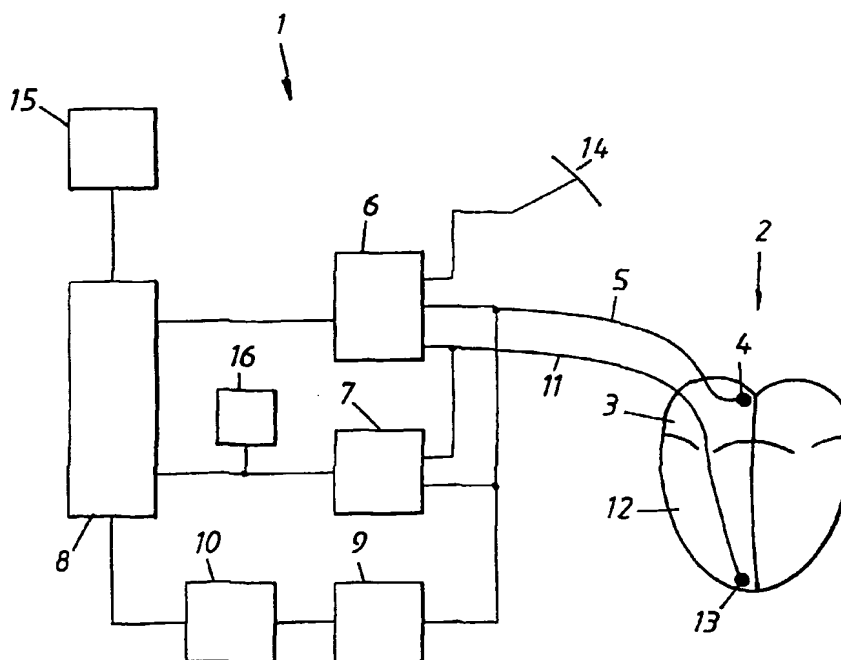
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- (72) Inventor; and
(75) Inventor/Applicant (for US only): HÖIJER, Carl-Johan [SE/SE]; Mossavägen 10, S-247 32 Lund (SE).
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- (74) Common Representative: ST JUDE MEDICAL AB; Patent Department, Veddestavägen 19, S-175 84 Järfälla (SE).
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(54) Title: HEART STIMULATOR DETECTING ATRIAL ARRHYTHMIA BY DETERMINING WALL DISTENSION BY IMPEDANCE MEASURING



(57) Abstract: An implantable dual chamber heart stimulator is comprising a mode switch for switching to a non P-wave synchronizing pacing mode when an atrial tachyarrhythmia is present. The pacing rate is adapted during atrial tachyarrhythmia to limit the atrial distension to a predetermined level. The atrial distension is measured during tachyarrhythmia through an impedance measurement that reflects the atrial volume.

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